

**Rio Algom  
Lisbon Mine & Mill  
M/037/001**

Jan 30,1976	UDOGM becomes lead agency Area involved--- 181 acres-site--2.4 acres-access---0.6 acres-drainage(7/26/76)
Sept 10,1976	Address 181 acres of site and 6" pond cover---EIS lists 18"----DOGM opts for 12"
Sept 14,1976	Tailings reclamation procedures Rio Algom Mill---- 18" soil Cost \$238,000/1980 \$ Atlas Mine---15 tons/ac Sludge 6" soil/waste \$616,000/1980/\$
Oct 5,1976	6" to 12" soil cover debated
Oct 15,1976	Show cause hearing on 18" mill(tailings) cover
Oct 15,1976	Board approved surety-----\$483,375/mill--\$151,487/mine
Jan,1978	Escrow fund to be allowed to escalate to total of \$3,064,312 by 2003
Jun 1,1980	Estimate for mine surface capping---\$38,034
Jun 26,1980	Debate on need for requiring cement plugs in shafts
Aug 27,1980	Mine reclamation agreement--- \$24,167/1985 \$
Annual 81	2 acres reclaimed
" 82	20 acres reclaimed
" 85	.52 acres reclaimed
11/10/87	DOGM inspection--- mine Vent shaft and mine shaft all thats left on mine permit
Feb 17,1988	<b>Rio Algom Notice To Suspend Operations</b>
May 10,1988	Rio Algom applies for release of \$835,826 of bond.
Jun 24,1988	Board votes to release \$835,868.29
Sep 20,1988	<b>Rio Algom second Notice to Suspend Operations</b>
Mar 7,1989	Total Surety now at \$25,000--- NRC still holding 3 mil bond on tailings
Jun 20,1989	Begin reclamation of upper tailings
Sep 21,1989	DOGM site visit-- main shaft and head frame area partially reclaimed Vent shaft plugged with 3' X 18' reinforced cement plug

### Borrow area adds additional 30 acres

Sep 27, 1989	Decision that borrow areas not under DOGM jurisdiction because material is used for Covering tailing which is under NRC.
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Annual 91 .5 acres reclaimed

Annual 92 2 acres reclaimed

Nov 19,1992 DOGM site inspection--Vent shaft area being soiled and seeded at that time. Holland agreed to 2' of soil cover over plug. Mine and Vent shafts sealed two years ago. Rio requested bond amount figure \$40,409.55---Mr Pattison (Rio) would submit an updated surety estimate to Division. Rio was informed at that time as to the requirement to reclaim within 10 years of suspension unless Board approved to continue suspension.

Annual 93 1 acre reclaimed----- 2 acres disturbed

Annual 95 1.5 acres reclaimed----only .5 acres left(main shaft/head frame area)

Annual 96 Head frame dismantled and production shaft sealed---- no reclamation

Oct 15,1996 DOGM site inspection--Rio indicated that head frame materials that could not be decontaminated would be buried along a portion of the dike of evaporation pond.

Annual 97 0 reclaimed----.5 left -- 120 acres disturbed(borrow area)

Annual 98 .5 acres left--Head frame done not approved by NRC

Mar 3 1998      Site visit    Addressed Rio Algom's questions  
 Review of files ---- being done  
 Question of vent shaft---- Holland Shepard did not formally approve vent shaft plug  
                                          He approved covering plug with 2' of topsoil and seeding  
 Question on formal amending to large mine permit--nothing in file--"formal"--  
 DOGM Site inspection Nov 10,1987--Frank Filas indicated that with less than 5 acres in  
 mine area Rio Algom would probably choose to refile as a small mine  
 DOGM site inspection-Feb 22,1988--Frank again stated as the mine area is less than 5  
 Acres the mine "will" be allowed to refile as a small mine when the new regs as in place.  
 Received in DOGM office on 2/22/88----Rio Notice of Cessation of Operations.

Question of production shaft debris disposal-- May 18,1976 "as per NRC regs.  
Show Cause hearing- Nov 22,1976 " in appropriate landfill"  
Show Cause hearing- in 1980 "Will be disposed of from the mine site"  
Sep 30,1985 Rec Plan--Page 5-156 All materials that cannot be decontaminated will be  
disposed of in the mine shaft---if shaft is sealed then they will be disposed of in the lower  
impoundment.  
In Rio Algom memo Rio indicated that concrete debris would be buried on site "as per  
NRC"